

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A FIREHOUSE HAZARD IDENTIFICATION BEACON, ON THE WEST APPROACH OF MD 314 TO GREENSBORO VOLUNTEER FIRE DEPARTMENT IN CAROLINE COUNTY, MD 314 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE HAZARD IDENTIFICATION BEACON WILL BE ACTIVATED WITH PUSHBUTTONS INSTALLED AT TWO LOCATIONS WITHIN THE GREENSBORO VOLUNTEER FIRE DEPARTMENT.

CONTROLLER REQUIREMENTS

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER, INTERSECTION MONITOR WITH BATTERY BACK-UP FOR PHONE DROP AND ASSOCIATED HARNESSES HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SYNDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SYNDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30

STANDARD NO. MD-104.32-01 (INTERSECTION FLAGGING OPERATION)

STANDARD NO. MD-104.31-01 (FLAGGING OPERATION)

STANDARD NO. MD-104.33-01 (SHOULDER WORK)

STANDARD NO. MD-104.35 (LANE SHIFT)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RICHARD LINDSAY
DISTRICT ENGINEER
PHONE: (301) 778-3061

MR. BARRY CLOTHIER
DISTRICT UTILITIES ENGINEER
PHONE: (410) 778-301

MR. ROBERT KEIL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 778-3061

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. TERRY WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 778-3061

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY
CODE NO.

QUANTITY

DESCRIPTION

971016

1 EACH

EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER, RELAY PACKAGE AND INTERSECTION MONITOR II WITH BATTERY BACK-UP FOR PHONE DROP HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET

973023

21 S.F.

SHEET ALUMINUM SIGNS TO CONSIST OF :

- 1 EACH W96-7(1) (MOD.) SIGN (36 IN. X 96 IN.)
- MAST ARM MOUNT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.

QUANTITY

DESCRIPTION

1001

1 EACH

MAINTENANCE OF TRAFFIC

2001

2 C.Y.

TEST PIT EXCAVATION

6001

25 S.F.

4 INCH CONCRETE SIDEWALK

8001

6 C.Y.

FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION

8003

1 EACH

FURNISH AND INSTALL 20 FT. BREAKAWAY PEDESTAL POLE

8008

1 EACH

FURNISH AND INSTALL 3 IN. WEATHERHEAD

8006

1 EACH

CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE

8010

990 L.F.

FURNISH AND INSTALL STEEL SPAN WIRE -
1/4 IN. DIAMETER

8019

1 EACH

INSTALL CONTROLLER AND CABINET - POLE MOUNT

8024

25 L.F.

FURNISH AND INSTALL 2 IN. SCHEDULE 80
RIGID PVC CONDUIT - TRENCHED

8027

30 L.F.

FURNISH AND INSTALL 3 IN. SCHEDULE 80
RIGID PVC CONDUIT - TRENCHED

8033

1 EACH

FURNISH AND INSTALL ELECTRICAL HANDHOLE

8034

2 EACH

FURNISH AND INSTALL GROUND ROD - 3/4
IN. DIAMETER X 10 FT. LENGTH

8043

160 L.F.

FURNISH AND INSTALL ELECTRICAL CABLE -
3 CONDUCTOR (NO. 14 A.W.G.)

8044

1150 L.F.

FURNISH AND INSTALL ELECTRICAL CABLE -
5 CONDUCTOR (NO. 14 A.W.G.)

8048

30 L.F.

FURNISH AND INSTALL NO. 6 A.W.G. STRANDED
BARE COPPER GROUND WIRE

8049

45 L.F.

FURNISH AND INSTALL ELECTRICAL CABLE
1-CONDUCTOR NO. 4 A.W.G. - THHN/THWN

8053

21 S.F.

INSTALL OVERHEAD SIGN

8066

1 EACH

FURNISH AND INSTALL CONTROL AND DISTRIBUTION
EQUIPMENT (120/240V, 1 PHASE 3 WIRE SYST)

8069

1 EACH

FURNISH AND INSTALL PHOTOCCELL

8078

1 EACH

FURNISH AND INSTALL MAST ARM POLE AND
60 FOOT MAST ARM

8084

2 EACH

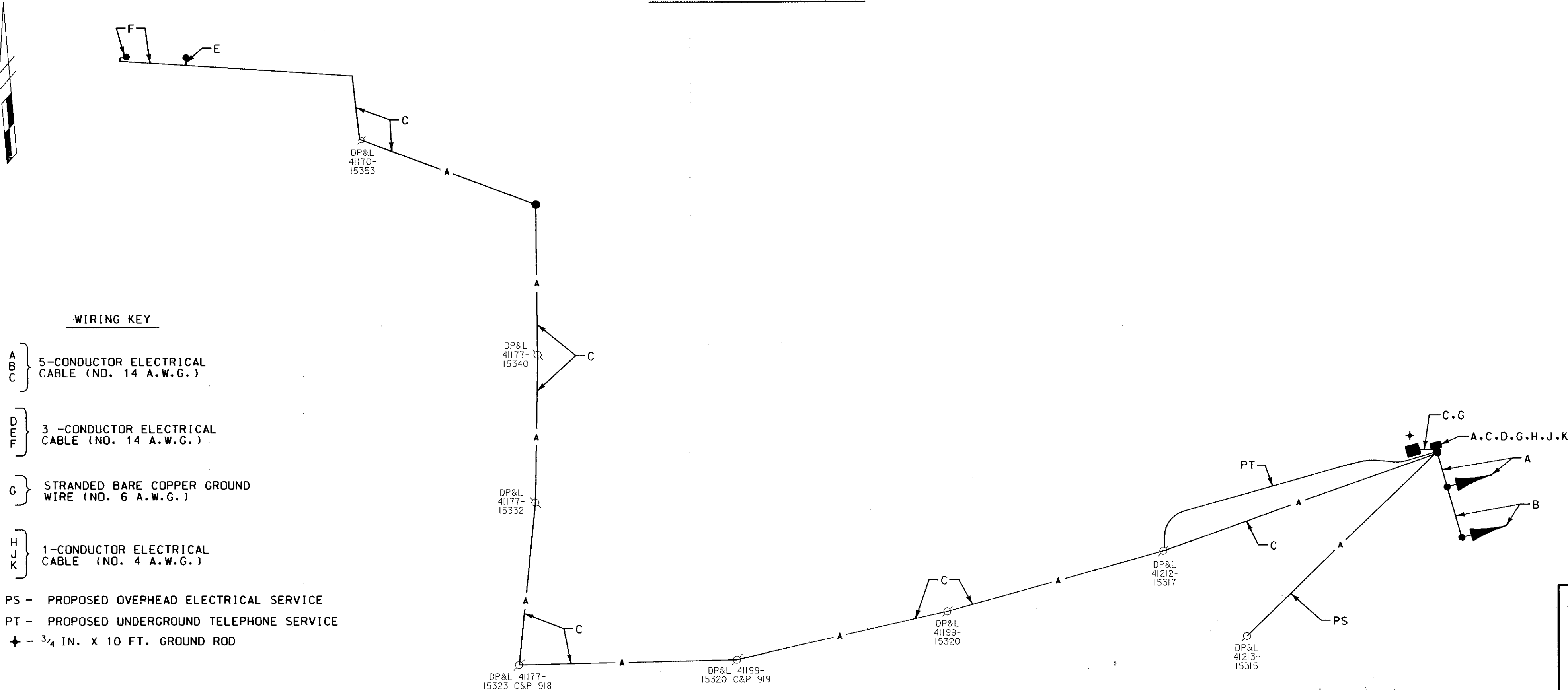
FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC
SIGNAL HEAD SECTION

NEG.


LUMP SUM

FURNISH AND INSTALL EMERGENCY SERVICE
PUSHBUTTON

WIRING DIAGRAM



WR&A
Whitman, Reardon
and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
HAZARD IDENTIFICATION BEACON -
WESTBOUND MD 314 (SUNSET AVE.), GREENSBORO

DRAWN BY: J. MONALDI
CHECKED BY: N. LEARY
SCALE: NONE
DATE: 11/2/00

F.A.P. NO.
S.H.A. NO.
COUNTY:
LOG MILE:

10521A02/BS
CAROLINE
05031400.74

TS NO.
TS-4031
T.I.M.S. NO.
E044

SHEET NO.
2 OF 2

N:\96011A\e044gd02.dgn